



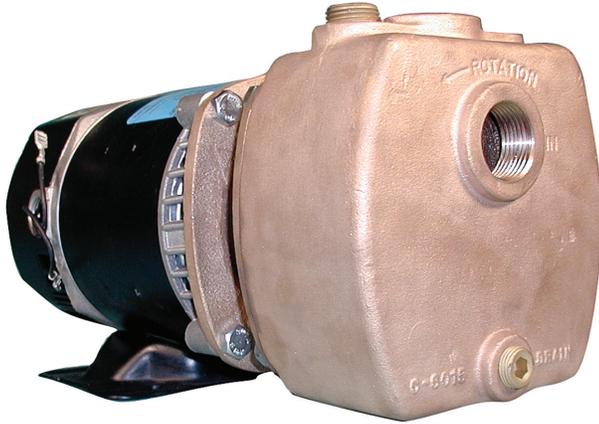
OBERDORFER PUMPS

by Gardner Denver

Bronze Self-Priming Centrifugal Pump

300B Series

Pipe size 1" NPT



300B	Bronze with stainless steel shaft, Single Phase
300B-01	Bronze with Monel shaft, Single Phase

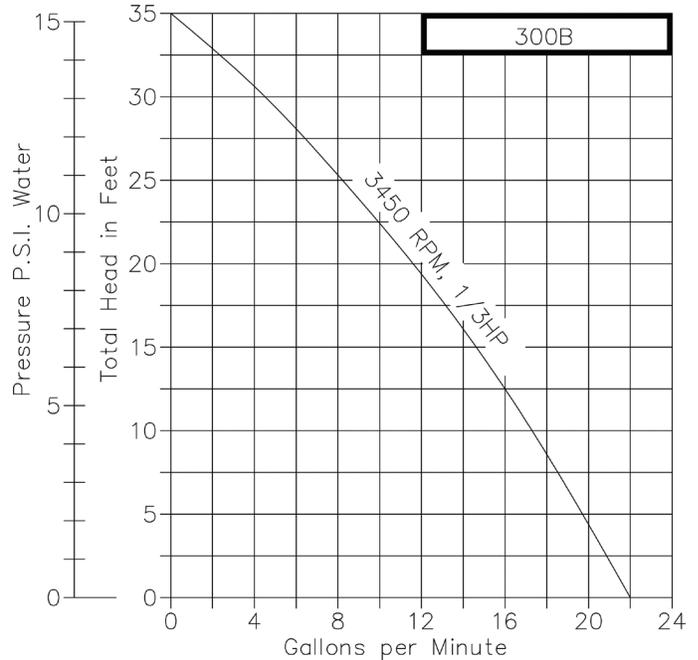
FEATURES:

- Self-Priming to 20 Feet Suction Lift
- Rugged Bronze Construction
- Ideal for marine service (air conditioning, bilge, and sea water recirculating)
- O-Ring Housing seal eliminates gasket problems
- Auxiliary Connections - for convenient priming and draining
- Multiple Mechanical Shaft Seal Options for various applications
- Pump Heads mount to Standard Footed Nema 56J Jet Pump Motors
 - Shafts : 416 Stainless, Monel, or 316 Passivated Stainless
 - Multiple motor options including Explosion Proof
- For Pedestal Style, see 30PB
- Optional Lifting Handle

Up to 22 gallons per minute water flow and suction lift of 15 feet without a foot or check valve (25 foot suction lift using a foot or check valve and a filled inlet line). A 1/2" pipe plug on the tank top is for

PERFORMANCE:

Capacity - Water 60° F



initial filling of priming chamber and inlet line-- pump priming is automatic thereafter. Pump seal is mechanical carbon face type mated to ceramic wear face for maximum durability. Other seal components are made of NBR with low swell characteristics for compatibility with a wide range of liquids including many chemicals and solvents. These pump models are widely used for the pumping of Perchloroethylene. Must be operated in the horizontal position (As shown in picture).

SEAL OPTIONS:

Note: Seal and shaft modifications below are not physically interchangeable. See parts table (rear).

FKM A Solvent Mechanical Seal: Mechanical seal for oils, fuels, lubricants, most mineral acids, and many solvents that attack other rubbers such as Carbon Tetrachloride, toluene, benzene, and xylene.

PTFE Mechanical Seal: For virtually all industrial chemicals, corrosives and solvents - as limited by compatibility of basic pump metal of construction.

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Capacity - Water 60° F

Pump Head	Style	Materials					Typical Applications
		Head			Seat		
	Type	Face	Case	Elastomer	Face	Elastomer	
300B-06	16 or 2100	Silicon Carbide	Passivated 316 SS	NBR	Silicon Carbide	NBR	Ocean water with fine abrasives
300B	6A	Carbon	Passivated 316 SS	NBR	Ceramic	NBR	Non-potable fresh water, salt water, ethylene glycol
300BS-10	6A	Carbon	18-8 SS	FKM	Ceramic	FKM	Solvents*
300BS-11	9A	Carbon	18-8 SS	PTFE	Ceramic	FKM	Industrial Chemicals*

Notes: *Fluids compatibility suitable for use with bronze

Maximum lift without foot valve is 10 feet

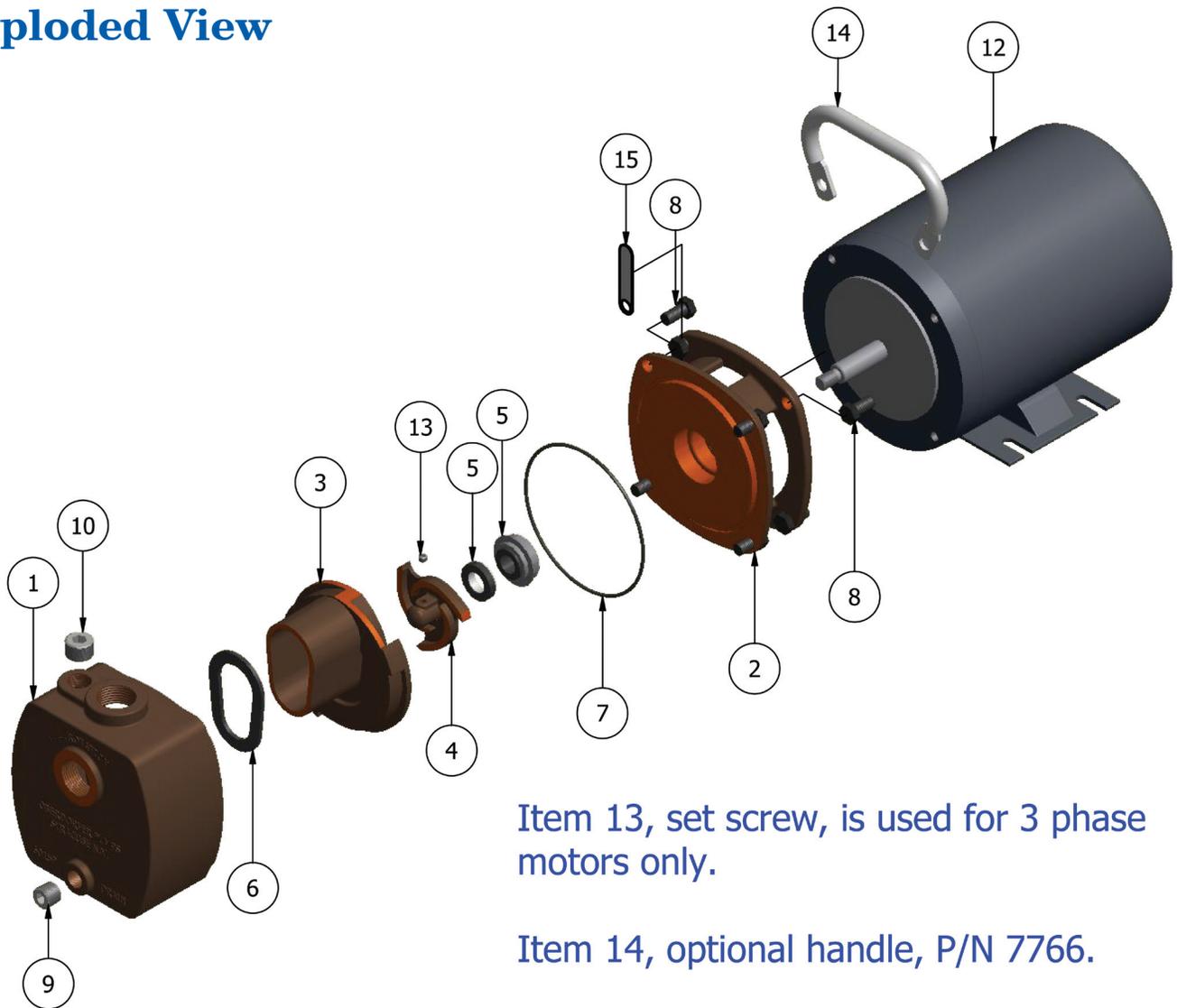
Discharge Pressure		3450 RPM Suction Lift				
Feet	Equiv. P.S.I.	0 Ft.	5 Ft.	10 Ft.	15 Ft.	20 Ft.
0	0.0	22	20	17	14	10
5	2.2	20	17	14	10	5
10	4.3	17	14	10	5	NA
15	6.5	14	10	5	NA	NA
20	8.7	10	5	NA	NA	NA
25	10.8	5	NA	NA	NA	NA
30	13.0	3	NA	NA	NA	NA
35	15.2	1	NA	NA	NA	NA

Parts List

	1	2	3	4	5	6	7	8
	Body	Adapter	Diffuser	Impeller	Seal Assembly	Diffuser Gasket	O-Ring	Screw
Model	Qty. 1	Qty. 1	Qty. 1	Qty. 1	Qty. 1	Qty. 1	Qty. 1	Qty.8
300B	7190	7191	7192	7193	32155	6021-09	9797-157	5411
300B-06	7190	7191-1	7192	7193-1	33226	6021-09	9797-157	5411
300BP	7190	7191	7192	7200	32155	6021-09	9797-157	5411
300BS-10	7190	7191	7192	7193	32210	2271	9797-157	5411
300BS-11	7190	7314	7192	7193	32211	2271	9355-157S	5411

* Repair kit contains items 4, 5, 6, 7, 11 & 13 *Item 11 is not depicted above

Exploded View



Item 13, set screw, is used for 3 phase motors only.

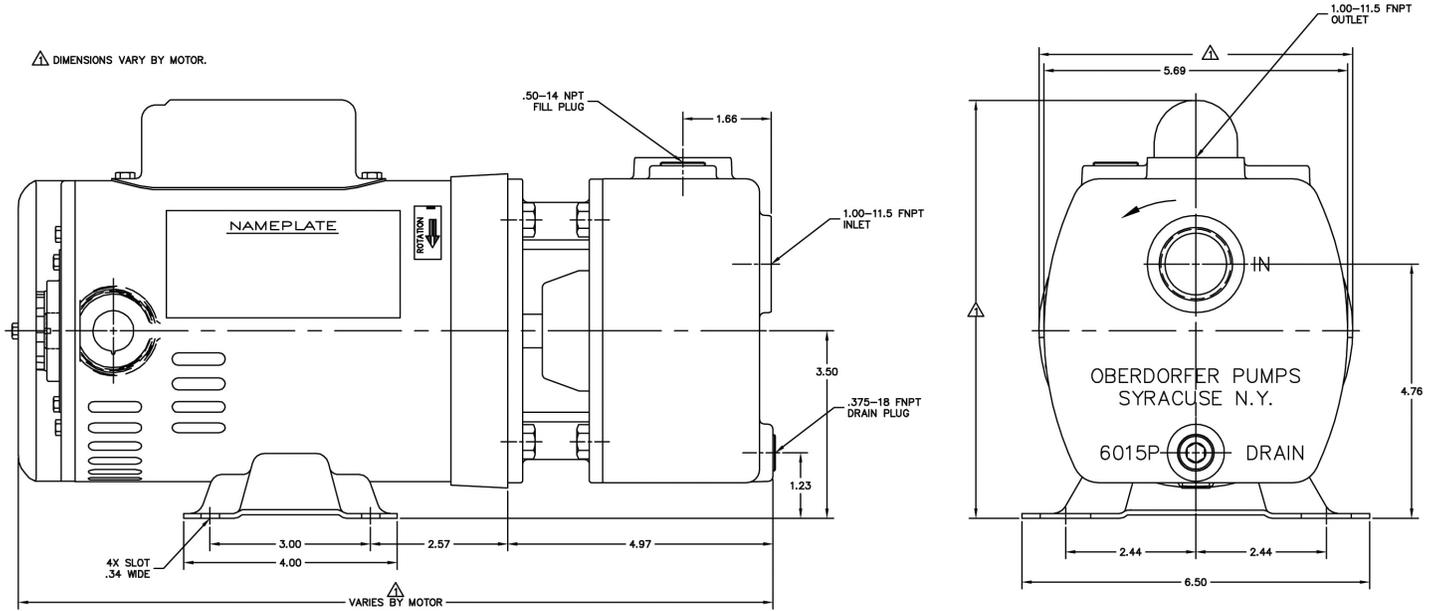
Item 14, optional handle, P/N 7766.

	9	10	11*	12	*13	14	15	Repair Kit
	Plug	Plug	Shim	Motor	Set Screw	Handle (Optional)	Name Plate	
Model	Qty. 1	Qty. 1	Varies	Qty. 1	Qty. 1	Qty. 1	Qty. 1	
300B	7321S	7443S	602501, 02 or 03	See Pump & Motor Options Below	NA	7766	7783	10865
300B-06	7321S	7443S	602501, 02 or 03		NA		7783	10867
300BP	7321S	7443S	602501, 02 or 03		9849		7783	10866
300BS-10	7321S	7443S	602501, 02 or 03		NA		7783	11290
300BS-11	7321S	7443S	602501, 02 or 03		NA		7783	11604

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Dimensions



Model	HP	SF	Enclosure	Phase	Voltage	Shaft Construction	Motor Item 12
300B-F13	1/3	1.75	ODP	Single	115	416 SST	5859
300B-01F26	1/3	1.75	ODP	Single	115/230	Monel	32273
300B-F17	1/3	1.75	ODP	Single	115/230	316 Passivated	3032
300B-F21	1/3	1.75	XP	Single	115/230	416 SST	8214
300BP01F65	1/3	1.75	ODP	Three	208-230/460	Monel	32355
300BP-F57	1/3	1.75	ODP	Three	208-230/460	416 SST	6996
300B-J20	1/2	1.65	TEFC	Single	115/230	416 SST	7976
300B-01J26	1/2	1.65	ODP	Single	115/230	Monel	32332
300B-J24	1/2	1.65	ODP	Single	115/230	316 Passivated	3031
300B-J89	1/2	1	TENV	DC	12V	416 SST	2386
300BP-M58	3/4	1.15	TEFC	Three	230/460	416 SST	7967

NBR = Acrylonitrile-Butadiene PTFE = Polytetrafluorethylene FKM = Fluoroelastomer



OBERDORFER PUMPS

by Gardner Denver

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Visit www.oberdorferpumps.com to find in-depth descriptions of the world's leading high-quality, dependable pumps.

Due to ongoing product improvements, data shown here is subject to change without notice. Contact Oberdorfer Pumps for latest specifications.